

DPQLM-1535-C-0040-005N-02-15-000-A

Key Features:

Compact Size
 High Reliability
 Internal Photodiode
 Low Power Consumption
 Eye-safe Laser Wavelength

Applications:

Laser Telemeter
 Laser Surveying
 Remote Sensing

Model Number		DPQLM-1535-C-0040-005N-02-15-000-A			
Optical Parameters		Photop Specs			Conditions
		Min	Typ	Max	
Wavelength		-	1535nm	-	
Pulse Energy		25μJ	40μJ	-	-30~+50 °C
Pulse Width		-	5ns	-	-30~+50 °C
Peak Power		-	8kW	-	-30~+50 °C
Pulse Repetition Frequency		-	100Hz	-	-30~+50 °C
Pulse Build-up Time		-	1ms	2ms	-30~+50 °C
Energy Stability		-	2%	5%	100 pulses @ constant temp
Operating Temperature (Case)		-30 °C	25 °C	+50 °C	
Beam Diameter		-	2.5mm		At output window, 1/e ²
Beam Divergence		-	1mrad	1.5mrad	Full angle, 1/e ²
M-Square		-	1.2	1.5	
Electrical Parameters					
LD Working Current		-	3000mA	-	Pulse peak current
LD Working Voltage		-	2V	-	
Power Consumption		-	0.6W	1.2W	100Hz
Mechanical Parameters					
Laser Head Dimensions	Length	-	-	50mm	
	Diameter	-	16mm		
Beam Alignment Tolerance	Position(Δr)	-	0.3mm	0.5mm	
	Angle	-	-	20mrad	
Reliability					
Operating Humidity		-	5%~85% R.H.	-	
Storage Temperature		-	-40 to +85 °C	-	
Shock		-	1500g, 0.5ms, 6 shocks	-	3 axes, 2 shocks/axis
Vibration		-	20~2000Hz, 0.02g ² /Hz	-	3 axes, 1hr/axis
Expected Lifetime (MTTF)		5000hrs	-	-	Room temperature